

ABSTRACT

A spraying device for melt granulation in a fluidized bed including a nozzle (2) with a feed channel for a liquid to be atomized, where the liquid is led through an emulsifying device and into an internal mixing chamber for gas and liquid, before it is fed to the fluidized bed. The nozzle has a separate channel for the atomizing gas fitted concentrically around the central liquid supply channel for the liquid to be atomized or nebulized. The mixing chamber surrounds the outlet zone of the liquid spray from the emulsifying device and the gas, allowing efficient mixing of high speed atomization gas and liquid, and having an external gas cap (1) where fluidization gas is channelled into a spout above the spraying device.